

CLAIMS

1. A stack of material sheets, which material sheets have a longitudinal direction and a transverse direction and which material sheets are folded at least once in the transverse direction along a transverse folding line, the material sheets being interlinked in such a way that, when a first material sheet is extracted, a predetermined part of the next material sheet is fed out; wherein each material sheet forming part of the stack is also folded at least once in the longitudinal direction along a longitudinal folding line, and two consecutive material sheets in the stack are folded into one another and are in this way interlinked by panels of the respective material sheets; said panels comprising rectangles each having two delimiting edges including a longitudinal fold edge and a transverse fold edge, and where the two consecutive material sheets lie stacked with the longitudinal fold edge of a first material sheet arranged in the opposite direction in relation to the corresponding longitudinal fold edge of the next, second material sheet, and also with a panel of a first material sheet enclosed by two panels of the next material sheet.
2. The stack of material sheets according to claim 1, wherein the interlinking panel constitutes a quarter of the total area of the unfolded material sheet.
3. The stack of material sheets according to claim 1, wherein the interlinking panel constitutes an eighth of the total area of the unfolded material sheet.
4. The stack of material sheets according to claim 1, wherein the interlinking panel is a square.

5. The stack of material sheets according to claim 1, wherein at least one longitudinal folding line is somewhat displaced in relation to the longitudinal centre line in at least one of the two consecutive material sheets.
- 5 6. The stack of material sheets according to claim 1, wherein at least one transverse folding line is somewhat displaced in relation to a corresponding transverse centre line in at least one of the two consecutive material sheets.
- 10 7. The stack of material sheets according to claim 1, wherein the material sheet is a tissue sheet, or a material sheet consisting of non-woven or of equivalent flexible wiping material.
8. The stack of material sheets according to claim 1, wherein the
15 material sheet has a surface area in an unfolded state of between 100 cm^2 - 1500 cm^2 , and corresponding surface areas in an interfolded state of between 25 cm^2 - 375 cm^2 .
9. The stack of material sheets according to claim 8, wherein the
20 material sheet has a surface area in an unfolded state of between 256 cm^2 - 576 cm^2 , and corresponding surface areas in an interfolded state of between 64 cm^2 - 144 cm^2 .
10. The stack of material sheets according to claim 1, wherein the
25 material sheet has a surface area in an unfolded state of between 200 cm^2 - 2500 cm^2 , and corresponding surface areas in an interfolded state of between 25 cm^2 - 375 cm^2 .
11. The stack of material sheets according to claim 10, wherein the
30 material sheet has a surface area in an unfolded state of between 512 cm^2 - 1152 cm^2 , and corresponding surface areas in an interfolded state of between 64 cm^2 - 144 cm^2 .

12. The stack of material sheets according to claim 1, wherein the stack of material sheets is arranged in a dispenser.
- 5 13. The stack of material sheets according to claim 12, wherein the uppermost material sheet is arranged so that it protrudes through a dispensing opening arranged in the dispenser with a triangular part area of the rectangular panel.
- 10 14. The stack of material sheets according to claim 1, wherein the stack of material sheets is arranged in a dispenser designed as a box.
- 15 15. The stack of material sheets according to claim 1, wherein the stack of material sheets is arranged in a dispenser having two obstacles lying on the stack; said obstacles being joined by two oppositely positioned side arrangements and a bottom plate.
- 20 16. The stack of material sheets according to claim 14, wherein the stack of material sheets is arranged in a dispenser made of cardboard.
- 25 17. The stack of material sheets according to claim 15, wherein the stack of material sheets is arranged in a dispenser made of metal.
18. The stack of material sheets according to claim 15, wherein the stack of material sheets is arranged in a dispenser having a bottom plate which is coated with an attachment means.
- 30 19. A method of producing a stack of material sheets, which comprises the following sequential steps:
applying a first web of adjacent individual material sheets to a second web of adjacent individual material sheets so that a longitudinal part of the first web overlaps a longitudinal part of the second web and so that the

first material sheet in the first web overlaps the first material sheet in the second web with a panel of the respective material sheets; said panel comprising a rectangle delimited by a longitudinal folding line and a transverse folding line;

5 folding the underlying web of said webs on a longitudinal folding line so that the material sheets of said underlying web will enclose a part of the material sheets of the first web;

 folding the first web around a longitudinal folding line so that the material sheets of said first web will enclose a part of the material sheets of
10 the first-mentioned web;

 folding the structure folded in the longitudinal direction is folded together in the transverse direction on at least one transverse folding line in each individual material sheet so that a stack of material sheets is formed.

15 20. The method according to claim 19, wherein the material sheets in the respective first and second web are separated from one another by a mutual spacing and, in connection with the webs combined with one another, the first material sheet in the first web overlaps the first material sheet in the second web with a panel of the respective material sheets; said panel
20 comprising a rectangle delimited by a longitudinal folding line and a transverse folding line.

 21. The method according to claim 20, wherein the material sheets in the respective webs are arranged at a mutual spacing corresponding to
25 half the length of the material sheet.

22. The method according to claim 19, wherein the longitudinal folding line in the material sheets of at least one web is arranged so that it runs along a centre line in said web.